



the **ILLINOIS ENGINEER**

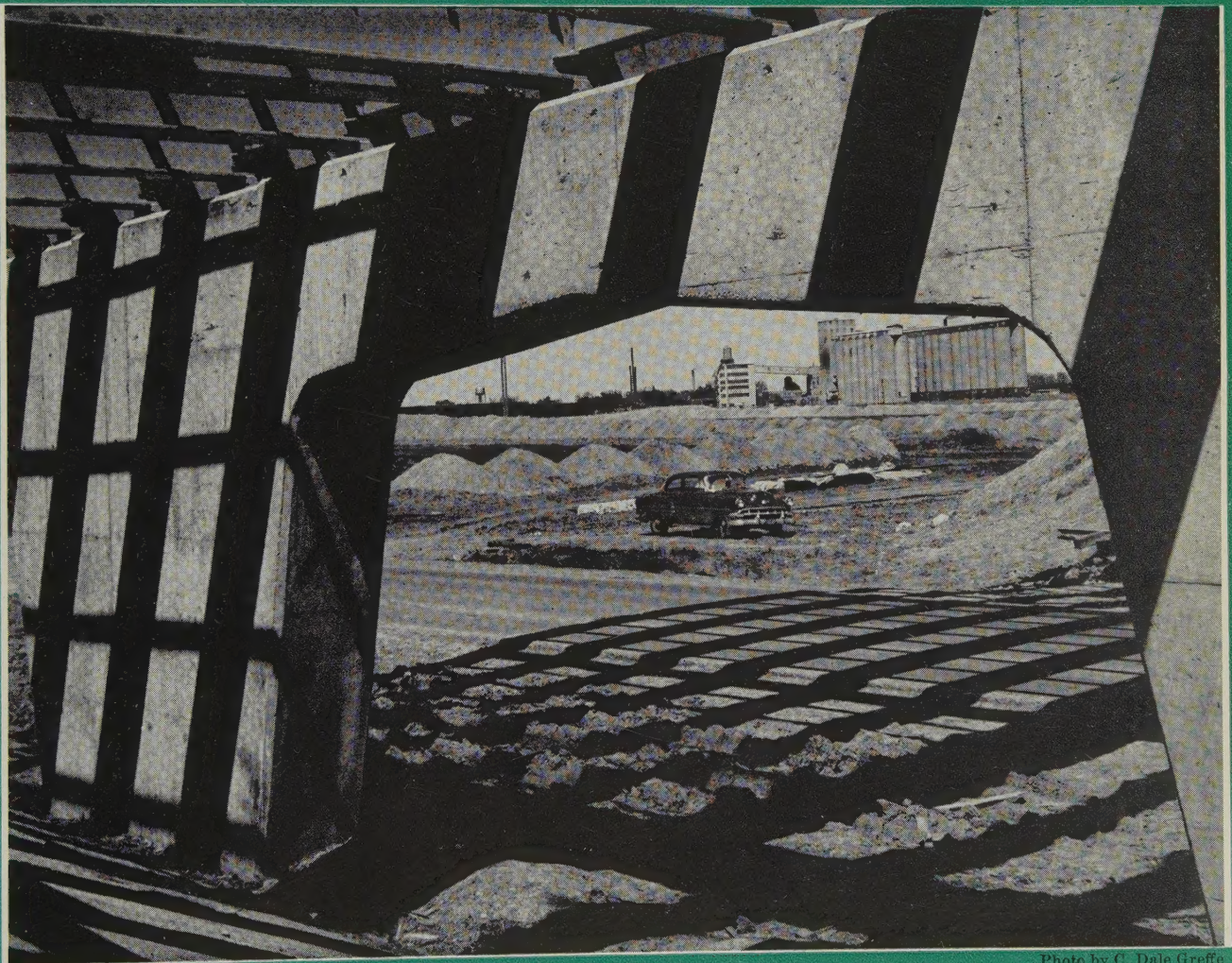
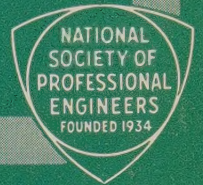


Photo by C. Dale Greffe

UNDER THE OVERPASS



THE ILLINOIS ENGINEER,
OCTOBER 1957,
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Of Interest to I. S. P. E.

PRESIDENT'S MESSAGE

By A. W. NEUREUTHER

A dues increase is always food for thought. Will inflation never cease? Where will it all end?

But is the increase as large as it seems? No, it's a matter of degree only, and, due to the change in method of dues collection, appears to be bigger than it really is.



President Neureuther

Some may wish to shrug off the increase with the thought, "Of course dues have gone up, but what is there that hasn't gone up recently?" Or, "Just part of the inflationary spiral!"

This may be partly true, but it is not entirely the case. Let's examine the facts from the new viewpoint and perspective resulting from the better method of collecting chapter dues.

State dues are up one dollar (from nine dollars to ten dollars), to make a total of twenty dollars for NSPE and ISPE dues. This is an increase of less than 5.3%. But the increase from twenty to twenty-five dollars paid now to ISPE seems to be a 25% increase. How can we account for this difference?

The difference lies in the method of collecting chapter dues, which remain yours to do with as you see fit in the chapters. The increase may only be two or three dollars above the three or two dollars that you have been paying in cash each year to your chapter secretary, and which of course you no longer will pay to him directly. So there is a partially offsetting saving that results from the change in method of collection.

As a result of the participation of *all* the members in the chapter dues payment, and a larger budget for more activity, some generous members will find relief from the burden of special contributions made to cover the cost of entertaining guests who may be prospective members, future or student engineers, EIT's, young engineers, or new registrants. Or there may be program expenses for material, rental of projectors and equipment, or travel expense for speakers. Also, special activities incur costs for trophies and awards, scholarships, et cetera, in the engineering field.

The \$5-per-member budget ought to cover the cost of all these activities as they are shared and participated in by *all the members of your chapter*, not just the generous, active few making special current contributions to chapter activity expense.

So if you have been an active member in an active

chapter, it will now probably cost you less than it has right along in the past. If your chapter has not been active, it will now have the funds to act and to accomplish more in your community for the engineering profession, without the aid of special contributions.

But the \$5 item remains yours to do with as you please in your own chapter as you govern it. Worth while application of these funds should gain much for the Society and for the engineering profession all over the State of Illinois, and in the Nation.

So be active. Take part in the use of these chapter funds. At the same time get your money's worth. You will receive big dividends!

OFFICIAL NOMINEES FOR 1958

The Society's Nominating Committee, made up of the Past Presidents Committee, Royce E. Johnson, Dwain M. Wallace and C. W. Klassen, has announced the official nominees for the year 1958:

President, Frank W. Edwards
Vice President, Donald S. Magowan
Secretary-Treasurer, A. Douglas Spicer
National Director, C. J. McLean (2 years)

Dwain M. Wallace will continue to serve as National Director for one year and J. D. Voorhees is serving the last year as Chairman of the Illinois Engineering Council Representatives.

The nominations by Past Presidents Committee are in accordance with the requirement of the Constitution that the official nominees be announced in the October issue of the Illinois Engineer.

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Why Chapters Need More Money

by John E. Housiaux

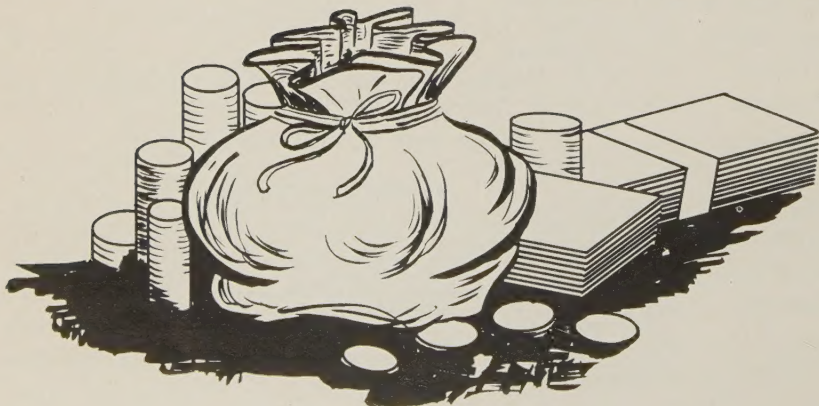
Can there be any question as to the economic justifications for a dues increase? The ascending characteristics of our financial environment are common knowledge. However, there are other aspects of the question which should be brought into focus. In a few weeks, you will receive your 1958 membership card and dues statement. Uniform chapter dues of \$5.00 for each corporate and affiliate member will be assessed for the first time.

A reasonable reaction to this change will be: "Is it necessary that I now pay more dues, chapter dues, for my Society Membership?" Yes! It is necessary and you should support it, because your chapter is the focal point of society activity. This dues increase is for the exclusive benefit of the Chapters and will be refunded 100% to your treasurer. The primary mission of a chapter is to stimulate and maintain the interest of the individual member.

Its major goal is membership—a membership that involves a substantial percentage of the registered professional engineers. The idea of collecting uniform chapter dues through the State Headquarters Office is not original. It is already practiced very successfully by at least twelve other state societies. The state and national levels of the society exist only to serve the chapters.

The new provision that all dues be collected through the state office, will enhance the service aspect of our State Society. The chapters have been relieved of their wearisome duties involving dues collections. The time and energy formerly exerted in this area may now be directed toward the major objectives. Also, a basic financial assist will now be available.

Then: An answer to the question as to "Why Chapters Need More Money" is that Chapters must be "alive" in order to realize their available potential. And to "live" nowadays requires money. Perhaps, there are other answers to the question, but any answer will hinge on what professional dimensions are used to measure the value of the dues dollar and society membership.



A Challenge to the National Society of Professional Engineers

By A. DOUGLAS SPICER*

A short time ago Dr. M. S. Coover, President of the American Institute of Electrical Engineers, arranged a meeting of engineering society presidents in New York for the purpose of informally discussing the possibility of eliminating duplication and conflicts in the activities of the various organizations. The presidents of ASCE, ASME, AIEE, AICHE, ECPD, NSPE, EJC, and a representative of the president of AIME participated in the meeting. Subsequently, the Board of AIEE crystallized a clear-cut and specific program which was reported to the AIEE membership by Dr. Coover in a message published in the June 1957 issue of *ELECTRICAL ENGINEERING*.

Briefly, the major points of the program are as follows:

1. "AIEE (is) to provide the medium for advancement in technology in all branches of electrical engineering and (is) to devote its efforts to this end. . . ."
2. "Engineers' Joint Council (is to) provide the medium for co-ordination and co-operation on technological matters transcending the electrical field, and to present to the public the position of the engineering profession on technical matters. . . ."
3. "Engineers' Council for Professional Development provides the medium for guidance in engineering education. . . ."
4. "*National Society of Professional Engineers (is) to provide the medium for the general promotion of the professional aspects of engineering in the eyes of the public, and be instrumental in the consequent enhancement of the economic status of engineers. . . .*"
5. ". . . activities presently individually sponsored by these organizations be assigned according to the aforementioned delineation of scopes; namely, technological (EJC), educational (ECPD), and professional (NSPE). . . ."
6. "*. . . NSPE should put itself in a position to represent the profession more completely by expanding its individual membership organization to include those qualified members of the profession whose work does not by law require registration as well as registered engineers. Under such conditions, the AIEE Board proposes to recommend that all its members affiliate with NSPE.*"

This message probably carries more implications and impact than any other which the engineering profession has received since the report of EJC's so-called Explora-

tory Committee report in 1951. This is a direct challenge to NSPE, EJC and ECPD—but particularly to NSPE. There are those who question NSPE's ability to handle work of this magnitude. Mr. Fischer Black, Editor and Publisher of *ELECTRICAL WORLD* has summarized both the problems and the doubts in two significant editorials published July 1 and July 15, 1957. He says, in part,

" . . . The assignment to the National Society of Professional Engineers is, we believe, the most significant and merits first attention. In effect, the AIEE Board has said that AIEE, an organization of 50,000 members, should turn over a major responsibility to NSPE, a smaller one with which only a minority of AIEE members are affiliated, or meet membership qualifications by registration. . . ."

"Whether it is entirely by design or default, the National Society of Professional Engineers is being handed a big responsibility. With only a small representation from most professional societies, the responsibility far outweighs their ability to perform. The eyes of the engineering profession will be upon them to see if they can now change their policies so as to provide the flexible and strong leadership that will be essential. . . ."

There are many who will not agree with Mr. Black's flat statement that the responsibility outweighs NSPE's ability to perform, but be that as it may, he has put his finger squarely on the vulnerable points of the NSPE program, and points out quite clearly the problems that NSPE must face. There was a good reason for requiring registration as a prerequisite to membership at the time NSPE was chartered in 1934. The history of unification efforts on the part of engineers culminated in a legal decision in the early 1930's which indicated that federations of organizations, or heterogeneous groupings of the men engaged in engineering work, could not represent the profession. The only legal yardstick of a man's professional qualification was his registration—hence the rigid requirement. Now, with 42,000 members, NSPE has a membership who are all registered, and although the writer has no statistical data, he would wager that this figure approaches the approximate total of registered members of all the founder societies represented at the meeting held by Dr. Coover in New York. (The Census Bureau states that there are 220,000 registered engineers in the United States.)

NSPE has taken its first step in connection with the AIEE proposals, and has assigned a committee made up of NSPE past presidents to study the report. It is

* A. D. Spicer, Secretary-Treasurer and Past President of the Illinois Society of Professional Engineers.

hoped that they will be ready to submit their recommendations to the NSPE Board of Directors before long. What their recommendations will be concerning the rigid membership requirement remains to be seen, but now seems to be a good time to examine the possibilities.

Each state, of course, has its own registration laws and no two are identical. Fundamentally, however, the laws define professional engineering, set up the mechanics for regulating the practice through registration, and then determine who must be and who need not be registered to practice. In most states the pattern is that anyone offering to practice engineering for the public must be registered, and with a few exceptions, engineers working for private industry, utilities, governmental agencies, etc. are not required to hold certificates of registration. Thus, we find many professional engineers who are not registered—and in many cases these men see no particular reason for concerning themselves with registration.

Let us be brutally realistic for a moment and consider the chief engineer at corporation A who is registered and believes wholeheartedly in the philosophy of registration. This influence will lead to registration of many of his subordinates. The chief engineer of corporation B, however, holds no certificate and sees no particular need to encourage it among his department for the business in which his company is engaged does not fall under a category where registration of engineers is mandatory. Moreover, the chief engineer is probably half convinced that he could not pass a professional engineering examination which includes questions covering subjects with which he has had no contact since school days some twenty to forty years ago! Perhaps such men have no particular feeling of professional pride and responsibility as differentiated from technological pride and responsibility. There are those who believe that time will rectify the situation, and that in years to come all engineers will automatically take the engineer-in-training examination upon completion of their undergraduate work, and that the professional examination will follow in due course of time. With an extended program of education this may ultimately become a reality, but in the meantime, mankind, being the type of animal he is, will not pursue an objective unless he has an interest in it, and where there is no particular incentive, there is no particular effort.

Unquestionably, NSPE's Past Presidents' Committee will examine membership requirements with exceeding care. No recommendations will be forthcoming which have not been subject to critical analysis. A change must be made, however, if NSPE is to face up to and meet the challenge which has been made. The tough nut to crack is, what method may be used to determine an engineer's qualifications other than legal registration? The writer feels that the problems are not insurmountable under the NSPE three level type of organization.

To begin with, the autonomy of NSPE's affiliated

state societies works advantageously in the matter of electing members to NSPE in that all new members are elected through the state society, either at the local chapter level, or more often at the state board level (except where no state society exists, in which case NSPE membership is obtained through direct application to National Society headquarters). This automatically provides a means for careful examination of the non-registered engineer's qualifications, as it brings the examination into the local area. It is not inconceivable that a uniform procedure could be established so that all member state societies process such applications in a similar manner, with the final decision resting with the State Board of Directors.

As an interim compromise, NSPE might well take cognizance of the requirements for membership in any of the technical societies, and recognize that the grade of "Member," or above, carries with it fundamental requirements of technical and professional proficiency. The grade of "Member" might well be considered prima-facie evidence of qualification as a professional engineer. Even if this is acceptable as a starting point, however, it could only be considered an interim measure and there would have to be a definite time limit established—sort of a "grandfather's clause" arrangement. At the end of the established period, the bars would have to be lowered.

Such a compromise, however, fails to get at the root of the fundamental problem—that is, the engineer who may legally practice professional engineering without having to be registered.

Another approach may be to establish two grades of membership—one for the registered man and one for the non-registered man. This would cause many complications for both men would be professional engineers and how to differentiate between the two would be a knotty and perhaps embarrassing problem. It is doubtful if one would want to be known as a "registered member" and the other as "non-registered member." The mechanics of the situation would tend to get out of hand.

It is the writer's opinion that the most logical solution is to establish an interim period in which a technical society affiliation in the grade of "Member," or higher, is accepted as evidence of professional qualifications. During this interim period the various state societies should set up the mechanics for a reasonable method of evaluating the qualifications of non-registered engineers, and as soon as an acceptable basis is established, the member state societies should begin electing applicants to membership in the National Society of Professional Engineers on the basis of the individual's qualification as a professional engineer under the laws of the state in which he is practicing. This will permit the NSPE to maintain its status of having only professional engineers on its roster, even though NSPE will have to forego the prerequisite of registration. For

the man who is practicing his profession in a position which does not require registration, it will open the long denied way to participation in professional activities as a member of the professional society.

For years the engineering profession has talked of professional unification. If all the speeches and papers on the subject were a true indication of engineering thinking, then we must recognize that the need of unification is deeply felt. Mr. Coover and AIEE have presented a means towards taking a big stride in that direction. As a baby first crawls and then totters before learning to walk, so has the engineering profession crawled and tottered while groping for its goal. All of the fine work that has been done in the past has been merely the preparation towards taking the first firm steps towards the goal of unity. If a mountain is moved, the valley disappears. If adopting the AIEE plan is a major step towards unification, the relatively minor problems of mechanics should not be allowed to block the plan. A little give and take will eliminate both the mountain and the valley. AIEE would not have offered its proposal if it had not felt that NSPE had reached a maturity which was capable of such stewardship. The opportunity is at hand—let us not allow it to slip through our grasp!

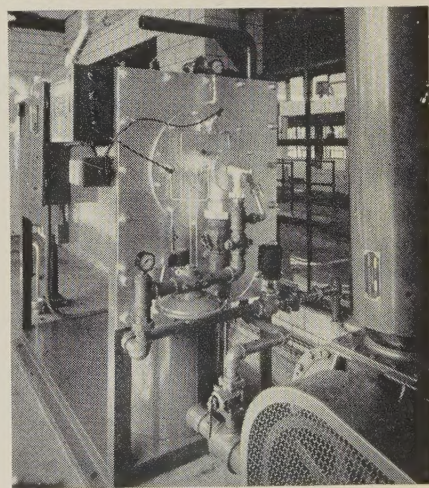
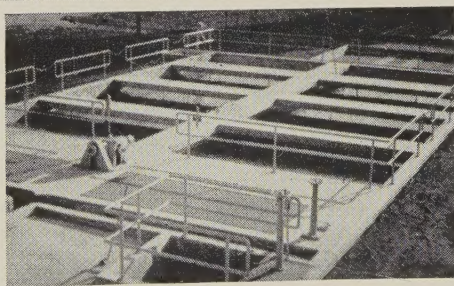
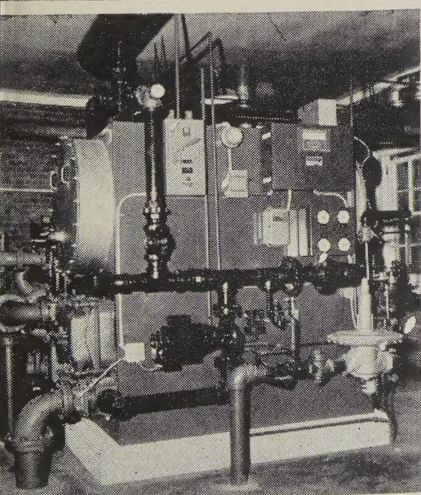
Hospitality is the art of making people feel at home when you darn well wish they were.

ROCK RIVER CHAPTER INSPECTION TRIP

On Saturday, August 17, seventeen members and guests of Rock River Chapter inspected the Rochelle plant of Midwest Prestressed Concrete Company. All phases of the operation were observed including: testing and control facilities, concrete cylinder tests, stressing mechanism, forms and stressing beds, automatic proportioning plant, finished beams, and to finish it off the concessions coffee and rolls. The two-hour tour was supervised by company personnel who were kept busy answering questions only engineers could dream up. Our thanks to Midwest for an interesting and educational trip. Guests were: Fred Leake, Jr., and B. B. Kibble. It was preserved for posterity by a group picture in the Rochelle News Leader.



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Some of the Walker Process installations in Illinois:

Left—HEATX, digester sludge heater at Urbana-Champaign; Wilson & Anderson, Consulting Engrs.

Top—Rectangular Collectors at Morris; Baxter & Woodman, Consulting Engrs.

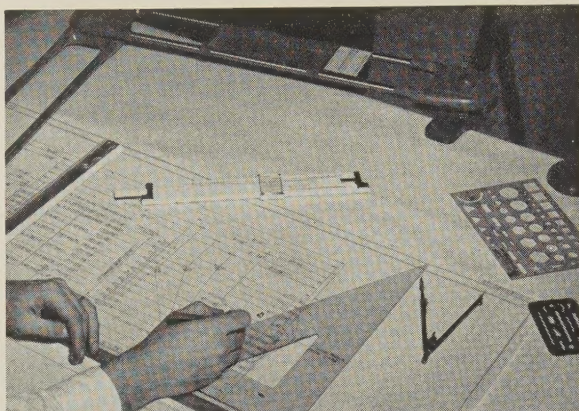
Right—CARBALL, CO₂ producer at Moline; Greeley & Hanson, Consulting Engrs.

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VOX SECRETARII

By P. E. ROBERTS, Executive Secretary

Membership

A year ago it was reported in this column that the increase in membership in 1956 over the same time in 1955 was gratifying. Therefore, it is pleasing to report that the gain in 1957 over 1956 has been almost identical. On September 24 there were 1,924 belonging to the society, of which total 1,561 were corporate members. Results of the membership campaign now going on are encouraging. Nine applications can be traced directly to the mail campaign. Follow up by Chapters, which will be made between October 1 and November 1 should bring more applications. In view of coming events, help in securing as many new members as possible is not only requested, but urgently solicited.

Dues Increase

In July and August the corporate members voted to amend the Constitution. For the first time in the history of the Society all Chapter dues will be the same and will be invoiced at the same time the State and National dues are. Only two Chapters out of the sixteen in the Illinois Society have been existing without Chapter dues. In other Chapters the dues ranged from \$1.00 to \$3.00, which was the limit fixed by the Constitution. However, several Chapters found it necessary to ask for handouts or special contributions and one Chapter received financial help from its auxiliary. In view of the above, therefore, the fixing of Chapters dues at \$5.00 per member is in reality not an increase to the majority of the members. The only difference is that they will be paying in one lump sum instead of two or possibly three different amounts. Your attention again is called to the fact that the State dues are the same as they have been for 10 years since 1947—\$10.00. National dues were increased from \$7.00 to \$10.00 in 1954.

With Chapter dues of \$5.00 per member, there should be enough cushion for Chapters to finance high school career days, membership drives, some Engineers Week activities and other necessary Chapter activities.

Workshop Conference

The Second Annual Workshop Conference of the Illinois Society was held at Robert Allerton Park on September 13 and 14. The principal theme of this Conference was "Chapter Activities and How They Are Correlated to Functional Sections and Committee Work." Chairman of the Chapter Activities Committee, Frank Edwards, and his group had an interesting and volatile discussion that ran overtime on Friday night. Several functional section groups met and discussed their problems on Friday evening and Saturday morning.

After a general session Saturday morning the Board of Direction met formally and functional groups met simultaneously.

The meeting can be called a success if the comments of the participants are to be believed. Possibly one reason why these conferences are meeting with such good response is due to the coffee hours. Informal discussions during these breaks are both pleasant and important. The Workshop Conference seems to be filling a long felt need and it certainly augments the Chapter Officers Conference which is held in mid-winter.

73rd Annual Meeting

The Central Illinois Chapter has already held its original organization meeting on the 73rd Annual Meeting. John Castle, General Chairman, held his second meeting on October 11, at which the various committee chairmen and the women's chairman discussed their mutual problems. It is not too soon for you to mark your calendar: April 10, 11 and 12 are the days to reserve for your annual professional pilgrimage.

Recognition Dinners

The professional recognition dinners to congratulate

(Continued on page 8)

NEW MEMBERS

National

- Bowman, Kenneth H., 185 North Pleasant, Galesburg. (West Central)
- Bushmeyer, Richard W., 2106 Lawndale Ave., Rockford. (Rockford)
- Carter, Charles E., 2145 North Hampton Court, Peoria. (Peoria area)
- Cole, Charles W., Jr., 220 W. LaSalle Ave., South Bend, Ind. (At Large)
- Conklin, Bristol C., 620 Richards Lane, Champaign. (Champaign County)
- Correll, E. Dean, 2011 Kellogg, Peoria. (Peoria area)
- Deckert, John E., 6701 Leroy Ave., Lincolnwood 30. (Chicago)
- Fleig, Wilbur J., 132 Commonwealth Ave., Aurora (DuKane)
- Galbreath, Charles R., 84 First South Shores Dr., Decatur. (Central Illinois)
- Grundvig, Knut E., 6331 N. Oak Park Ave., Chicago 31. (Chicago)
- Henss, Robert R., Route 1, Moberly, Missouri. (At Large)
- Hershey, Claude, 819 East Locust, Watseka. (Illinois Valley)
- Land, George W., 421 North Malden, LaGrange Park. (Chicago)
- Leck, Marvin E., 3025 Central, Evanston. (Chicago)
- Miller, Wendell E., 1009 South Westlawn, Champaign. (Champaign County)
- Morris, Richard H., 308 East James, Barrington. (Chicago)
- Oliver, Walter J., 9700 South Emerald Ave., Chicago 28. (Chicago)
- Schwiesow, William F., 1004 East Florida Ave., Urbana. (Champaign County)
- Wolf, Herbert C., 11324 Larimore, St. Louis 15, Mo. (St. Clair)

Engineer-in-Training

- Abfalter, Hubert F., R. R. 4, Decatur. (Central Illinois)
- Andrews, Gary, 446 S. Seigle, Decatur. (Central Illinois)
- Hancock, Melvin W., 43 Sand Creek Drive, Decatur. (Central Illinois)
- Hansen, Fred C., 5324 Ronald Road, Peoria. (Peoria area)
- Liddell, James W., 2015 East William, Decatur. (Central Illinois)
- Wellman, Howard W., Jr., R. R. 2, Dixon. (Rock River)

Affiliate

- Lee, Millard E., 155½ West Main St., Decatur. (Central Illinois)
- Pfeiffer, Cecil C., 10 Iowa Avenue, Joliet. (Joliet)
- Schubeler, J. B., 2610 Higherest Road, Rockford. (Rockford)

Vox Secretarii (Continued)

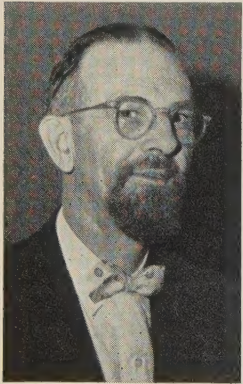
those who passed the November 1956 and May 1957 professional engineering examinations, together with the E-I-T's who passed the basic part of the examinations, will be held in eight towns instead of in Chicago alone as has been the custom in the past several years. The Rock River Chapter held their dinner at Dixon on October 3; Chicago Chapter's was held on October 10; Lake County Chapter at Waukegan and West Central Chapter at Galesburg on the 16th; DuKane at Elgin and Peoria at Peoria on the 17th; Capital, Champaign County and Central Illinois will hold a joint meeting in Decatur on November 6; and Rockford will hold its dinner in Rockford on November 7. 370 invitations were mailed on September 19 and by September 30, 153 acknowledgments had been returned to the office.

Items of Personal Interest

M. E. Amstutz, Lake County Chapter, and Harry Kluge, St. Clair Chapter, have been appointed to the Illinois Road and Bridge Laws Commission.

Obituaries**Alois W. Graf**

Alois W. Graf (N '45) died in Chicago on September 17. He was born March 20th, 1901 in Mankato, Minnesota. He received a B.S. in Electrical Engineering at the University of Minnesota in 1926 and an LL.B. at National Law University in 1931. He was an examiner in the United States Patent Office from 1926 to 1930; associated briefly with a patent lawyer in Washington and then with the patent department of General Electric until 1938. In 1940 he entered private patent law practice with various firms, the most recent being Graf, Biermann and Niermeister.



In 1950 and 1951 he was Chairman of the State Ethics and Practice Committee. He also served on the Legislative Analyzing Committee in 1951 and was a member of the Registration Laws Committee in 1951 and Chairman in 1952 and 1953. He was Vice President of Chicago Chapter in 1955 and President in 1956. He served in various capacities in Illinois Engineering Council and was its President. At the last annual meeting of the Chicago Chapter he was elected Chapter Representative and was serving his first term on the Board of Direction. The accompanying picture was taken at the June Board meeting.

His survivors include his widow, a daughter and a son.

Walter G. Printy

Walter G. Printy (N '49) died on September 10, 1957. He was a member of Capital Chapter and was an engineer with the Illinois Commerce Commission for some 40 years. Mr. Printy was born in Wabash, Indiana on November 14, 1886. He attended Purdue University, was with Commonwealth Edison, Central Illinois Public Service, and in 1918 he became assistant engineer with the Illinois Commerce Commission. He was a member of the Westminster Presbyterian Church and had been a member of the church's men's choir. He was also a member of the Kiwanis Club and the Purdue Alumni Association. He is survived by his widow and one son.

William M. Phillips

Major William M. Phillips (S '31, N '48). Word was received by the Executive Secretary's office in September that Major Phillips had died. No date of his death was given. He was born in Mt. Vernon, Illinois on April 9, 1908, attended McKendree College and the University of Illinois. He began his professional career as a Junior Engineer with the Illinois Division of Highways. Approximately in the Fall of 1952 his address was changed to an A.P.O., San Francisco. At that time he was Chief of Design, Department for Installations, Headquarters Japan Air Defense. Recently he was in the headquarters of the U. S. Air Force in Washington.

COVER

The cover picture "Under the Overpass" was made as a study of light and shadow by Professor Greffe. However, the picture has a second significance. It is part of the overpass at Market Street in Champaign on By-pass U. S. 150, which will be a link in the new federal highway system. It is one of the first of a new series of controlled access highways under construction in Illinois.

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BOOK REVIEW

"Earth Pressures and Retaining Walls," bridging the gap between retaining wall design and that part of soil mechanics which deals with earth pressures and foundations, was published in July by John Wiley & Sons. The new book was written by Whitney Clark Huntington.

One of Professor Huntington's primary objectives has been to include most of the special conditions that the structural engineer may encounter in the design of retaining walls. Principles are emphasized by presenting numerical solutions in sufficient detail to give a clear perception of the procedures. Typical designs are included for the various types of retaining walls, with special consideration given to the design of counterfort retaining walls. Since a large portion of retaining wall failures are due to faulty foundation design, this phase of the subject has been accorded full consideration. In addition, the author presents conventional procedures, the approximations they involve, and their limitations. Among the book's noteworthy features are the treatment of the "trial wedge" method in computing earth pressures, and a profusion of illustrations on earth pressure, stability, and design computations under usual and special conditions.

Chapter headings include: earth pressures due to both cohesionless soil and cohesive soils; stability and

foundations of retaining walls; design principles and requirements; and retaining wall design.

Professor Huntington is professor emeritus of civil engineering and was head of the civil engineering department at the University of Illinois for thirty years. He is the author of "Building Construction," also published by Wiley.

"Earth Pressures and Retaining Walls" contains 534 pages and is priced at \$11.50.

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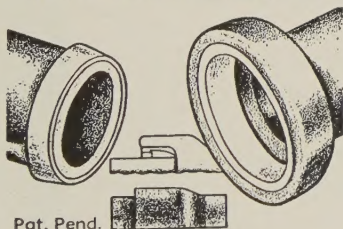
Type 2—Eager-beaver, back-slapper, entertainer, has "I" trouble, big bag of wind.

Type 3—Educated, brilliant technician who'd rather deal with things than people, snob.

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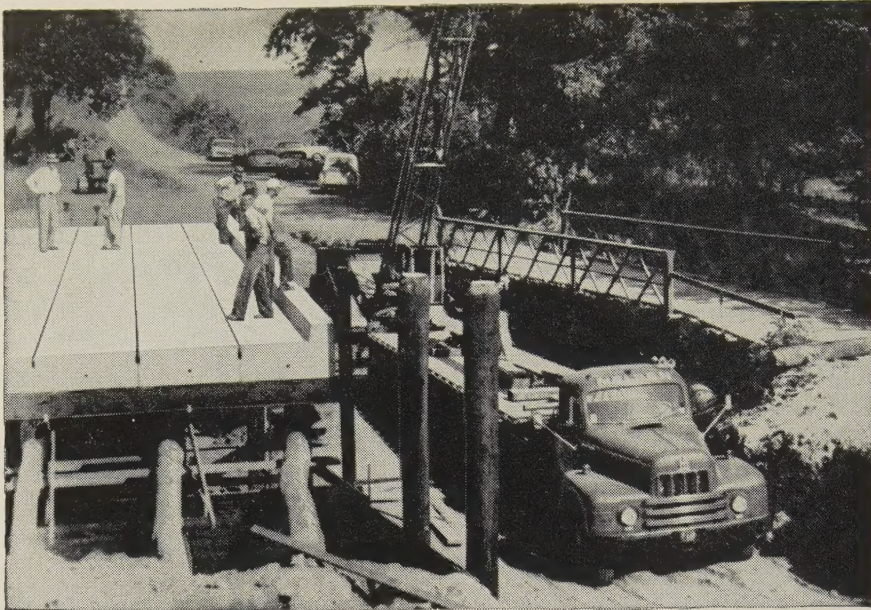
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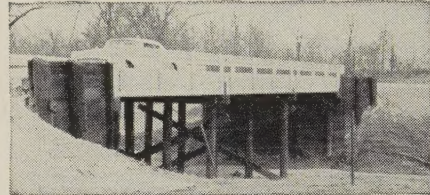
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Know the Members of Your Board of Direction

The governing body of the Illinois Society is the Board of Direction. The Illinois Society Constitution gives them their power; it reads, Article VII, Section 2, "The management of the Society shall be vested in a Board of Direction . . ." Article IX, Section 5, reads "The Board of Direction shall be vested with the general conduct of the affairs of the Society and between Annual Meetings shall act on all matters concerning the Society. It shall approve the execution of all contracts and the expenditures of moneys except as provided in Article X. It shall have the sole power to grant and revoke charters of Chapters."

From the above you see that the Board of Direction of the Illinois Society is the group of men who make the decisions of policy and who say "yes" and "no" to any matter of Society business.

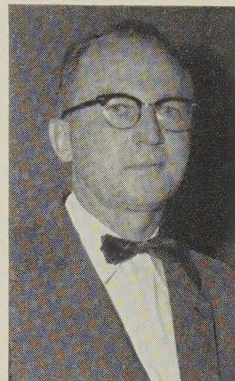
To help you know the members of the Board, pictures of the members and thumbnail sketches will be run in this column, spaces permitting. There is no order or reason for the way the individuals are presented.

(Photos by C. Dale Greffe furnished at no cost to the Society)



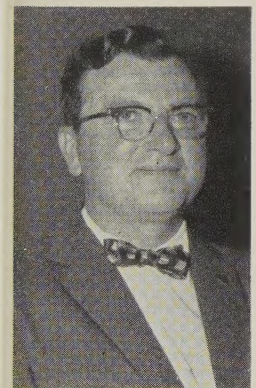
John E. Housiaux (N '54) was born in Rapid City, South Dakota, on December 11, 1924. He earned a B.S. in Mechanical Engineering in 1948 and a M.S. at the University of Colorado in 1949. After spending three years with the Corps of Engineers at Omaha, he joined Warren and Van Praag in Decatur, where he is presently employed. He was called into the Presidency of Central Illinois Chap-

ter in 1956 and with excellent support from other young men did an outstanding job as its chief officer. He is serving his first term on the Board.



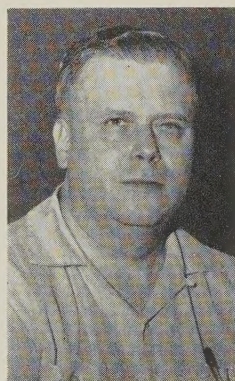
Clifford Missman (S '37, N '47.) Cliff, as his friends know him, was born in Dixon on February 26, 1911. He earned an engineering degree at the University of Illinois in 1933 and was employed by C. K. Willett upon graduation, and except for the year of 1936, when he worked for the Illinois Division of Highways, was with him until 1942, when he became Assistant Structural Engineer of

Design, Tennessee Valley Authority at Knoxville. From April 1943 until December 1945 he was a Lieutenant jg. in the Navy Civil Engineering Corps under the supervision of the Bureau of Naval Personnel in Washington. In April 1946 he formed a partnership in Rock Island with R. E. Stanley and Robert L. Farmer. He is serving his first term with the Board.



Irwin R. Lietzke (S '47, N '53) was born in Clinton County, Michigan, on June 24, 1906. He attended high school and earned a B.S. in Electrical Engineering at Michigan State College in June, 1928. He was a student at Central Station Institute in Chicago until March, 1929, when he became an engineer with the Public Service Company of Northern Illinois, a Division of Commonwealth

Edison Company, where he is presently employed. He is a member of Tau Beta Pi. He was Chapter Secretary-Treasurer of Lake County Chapter in 1952, Vice President in 1953, and President in 1954. He is serving his first term on the Board of Direction.



Richard S. Thornton (N '53) was born in Aurora on October 19, 1916 and learned his mechanical engineering at Armour Institute of Technology. While still in school he began work with the Aurora Pump Company and has continued to work for them in various positions of responsibility to his present position as Chief Engineer. Dick's wife was the first President of the DuKane Ladies Auxiliary.

He is active in church and civic organizations. He likes to travel, especially to warm climes during the cold winter days. Dick is serving his first term on the Board of Direction.

**I hold every man a debtor to his profession;
from the which as men of course do seek to re-
ceive countenance and profit, so ought they of
duty to endeavor themselves by way of amends
to be a help and ornament thereunto.**

Sir Francis Bacon

The prim little old lady was obviously embarrassed by the presence of a man beside her at the drugstore counter. Finally a smile crossed her face, she looked the clerk in the eye, and said perkily: "Two packages of bathroom stationery, please."

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